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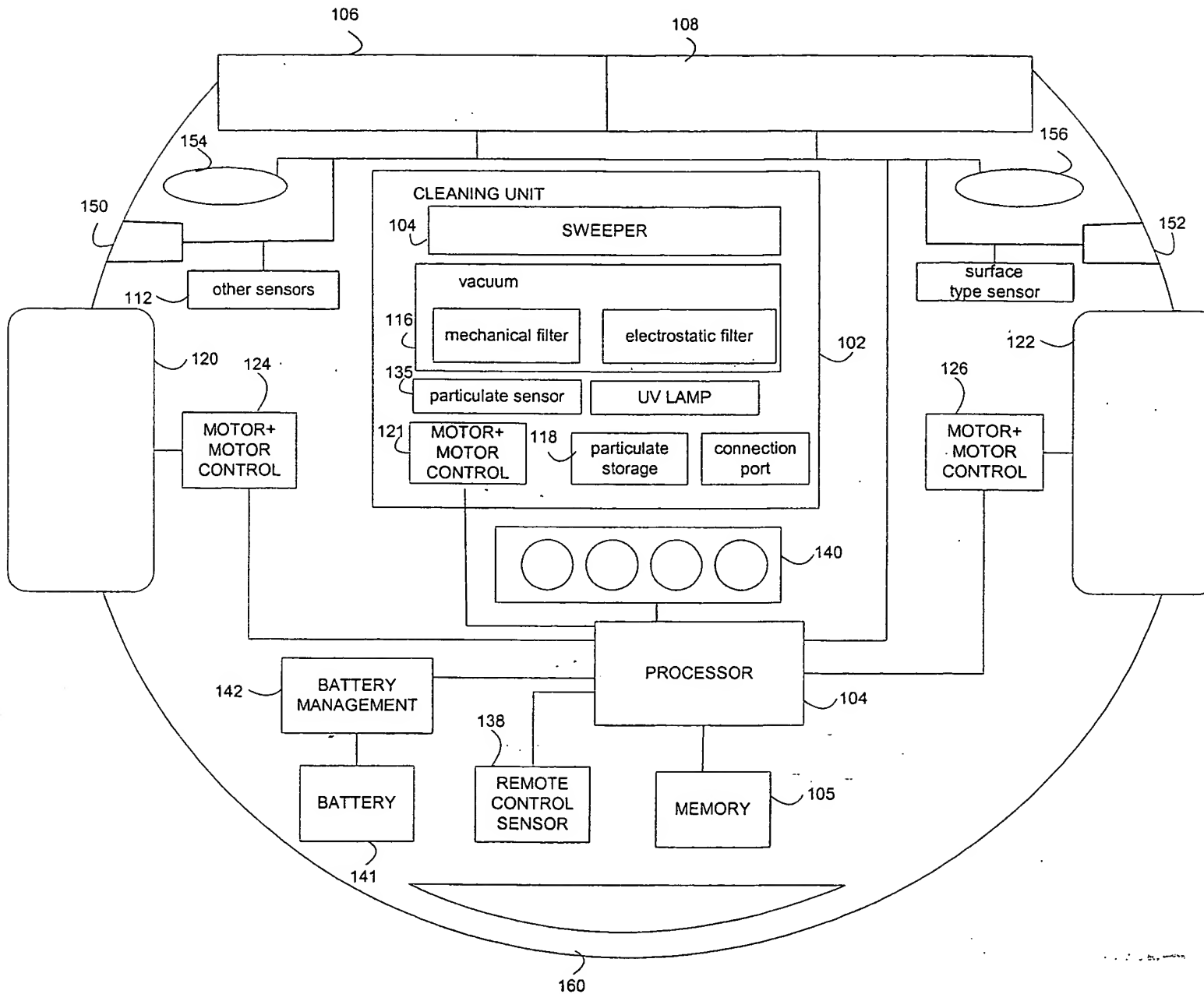


FIGURE 1A

Title: Robot Vacuum with Internal Mapping System

Docket No.: SHPR-01360USM

Appl. No.: To be assigned

Confirm No.: To be assigned

Filed: Herewith

Inventor(s): Parker

Attorney: Joseph P. O'Malley

Phone: (415) 362-3800

Express Mail No: EV 375096120 US

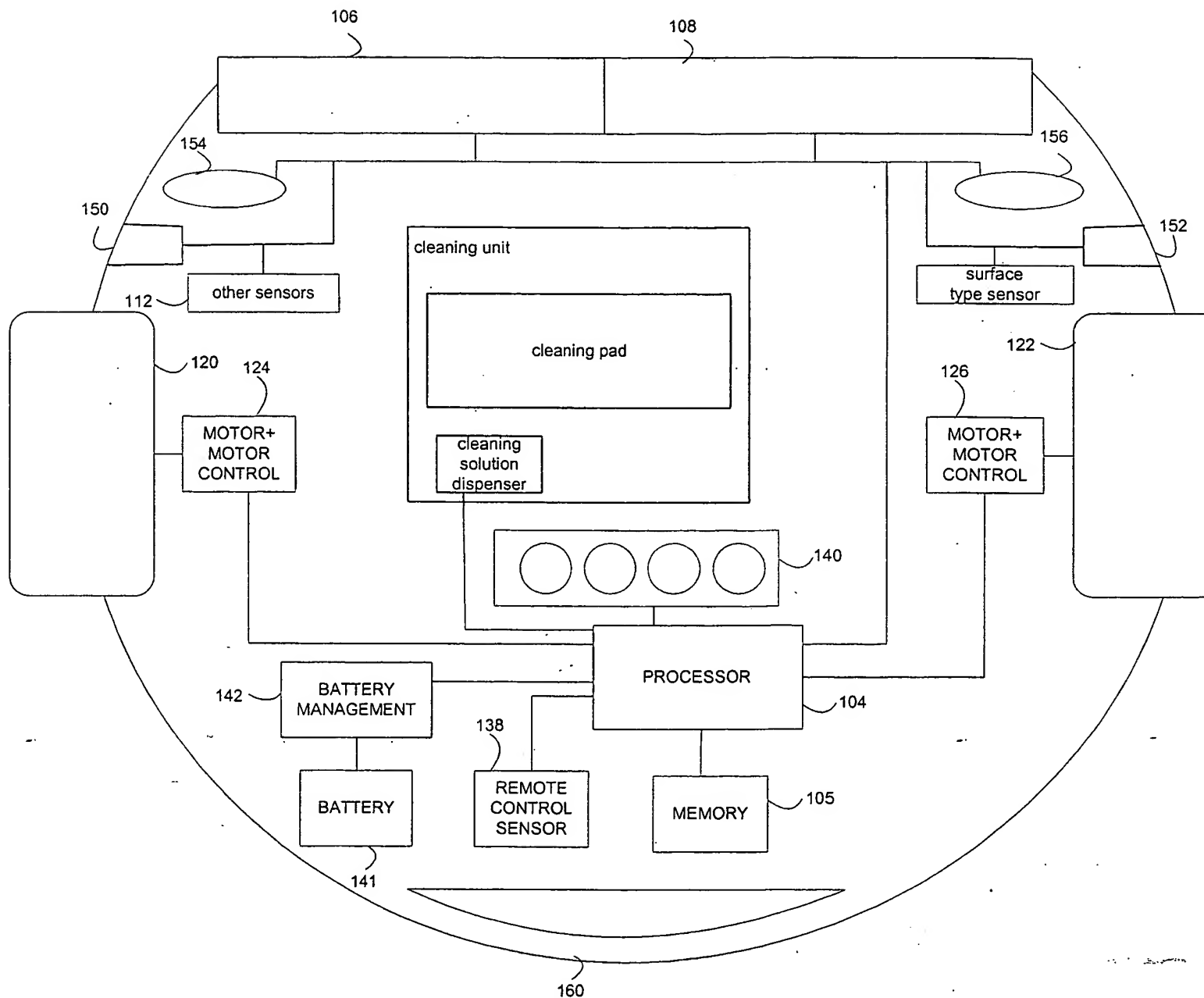


FIGURE 1B

Title: Robot Vacuum with Internal Mapping System
Docket No.: SHPR-01360USM
Appl. No.: To be assigned
Confirm No.: To be assigned
Filed: Herewith
Inventor(s): Parker
Attorney: Joseph P. O'Malley
Phone: (415) 362-3800
Express Mail No: EV 375096120 US
Sheet 2 of 15

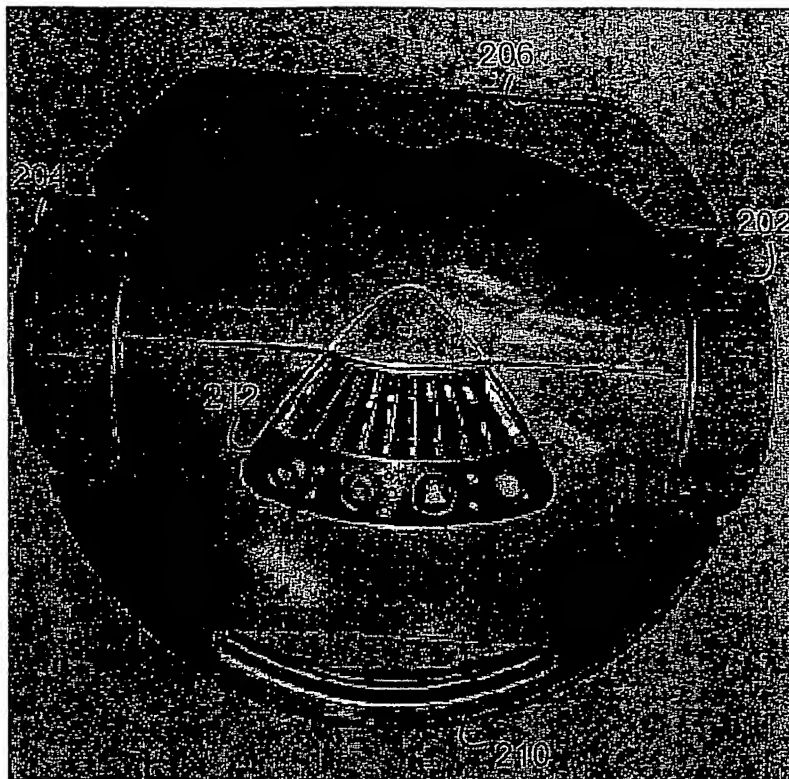


FIGURE 2A

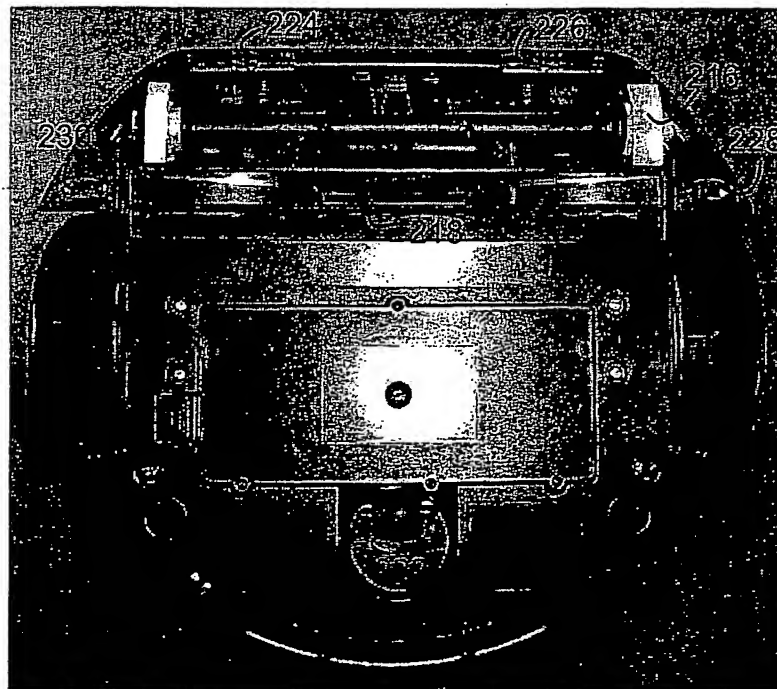


FIGURE 2B

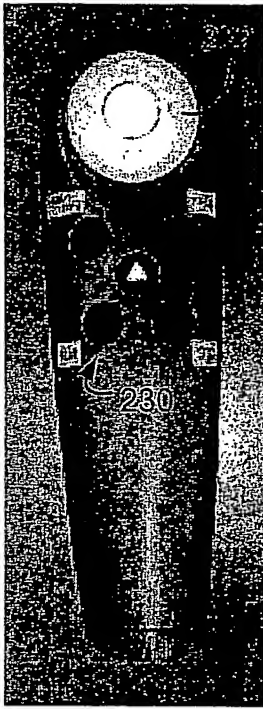


FIGURE 2F

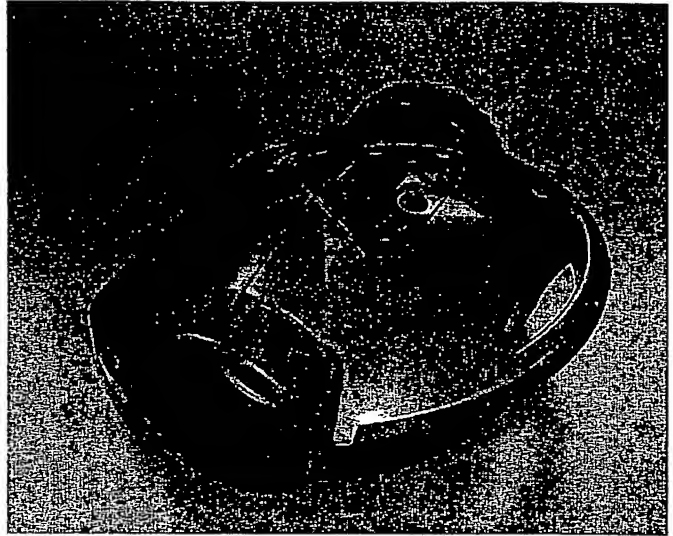


FIGURE 2C



FIGURE 2D

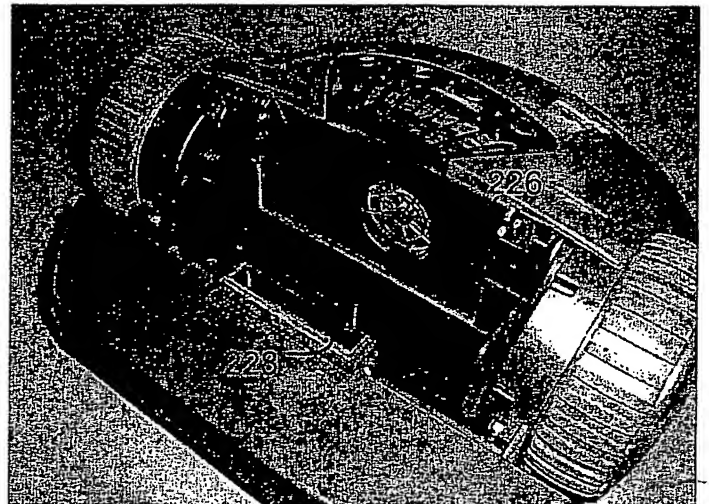


FIGURE 2E

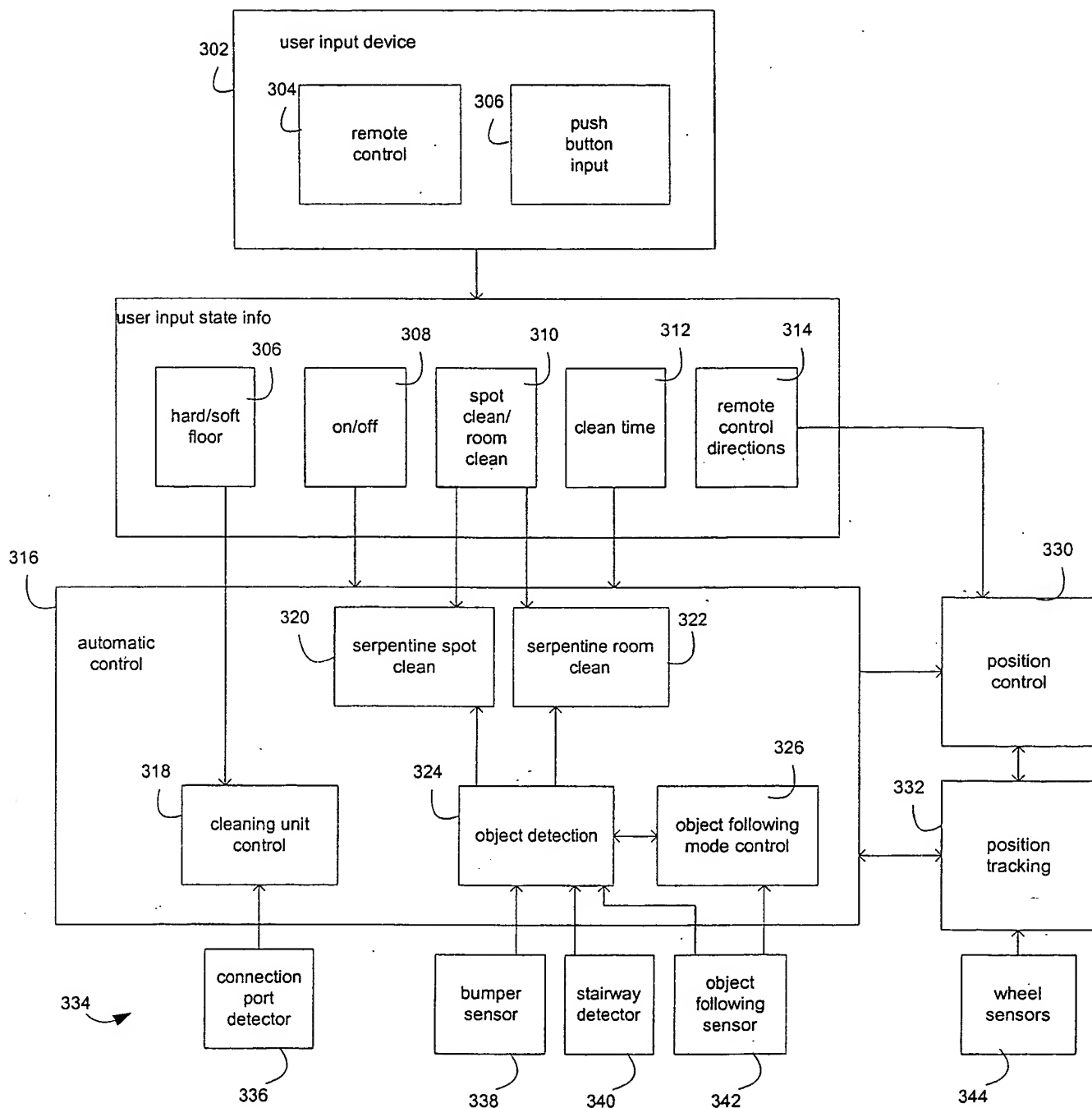


FIGURE 3

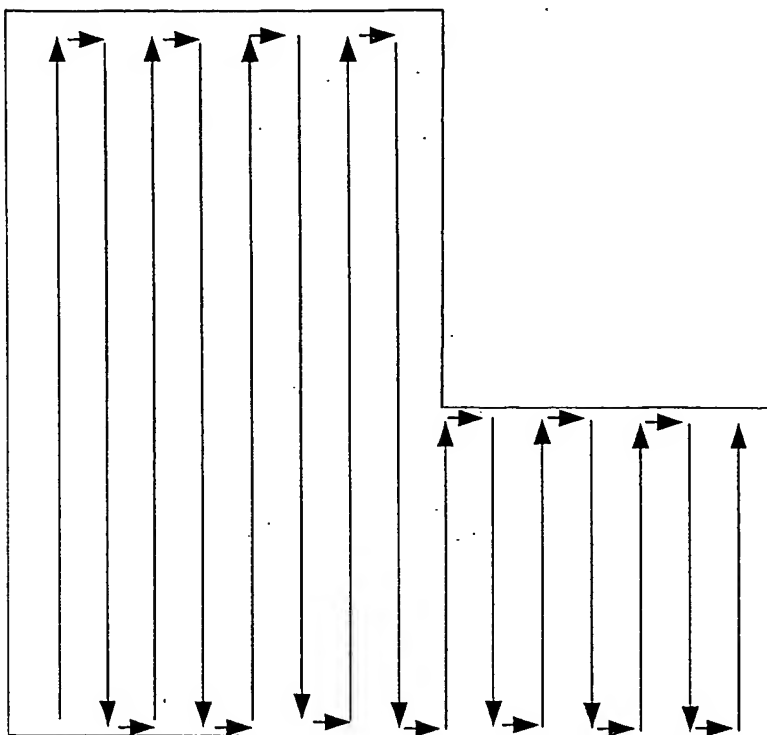


FIGURE 4

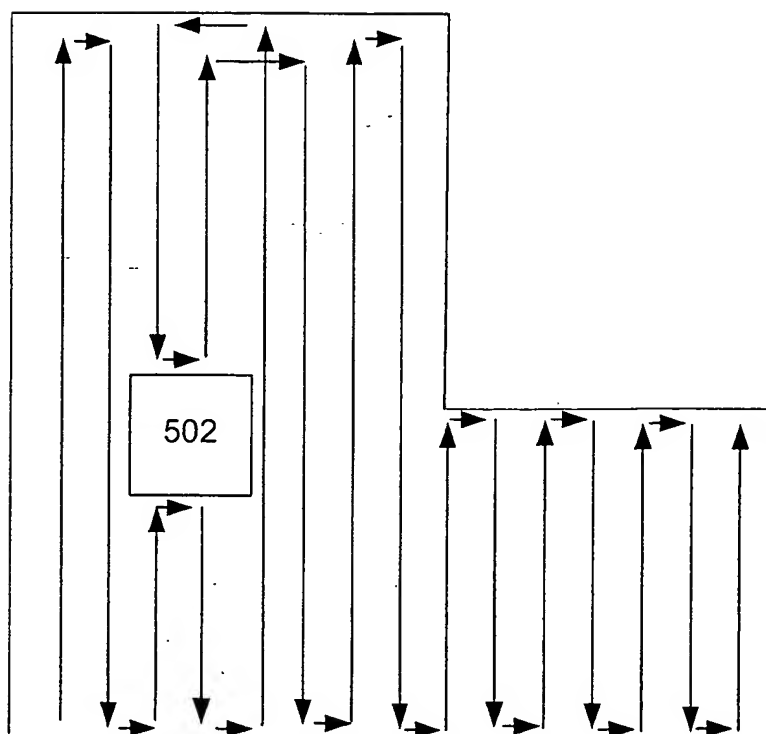


FIGURE 5

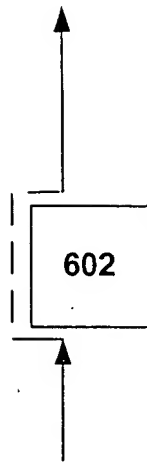


FIGURE 6

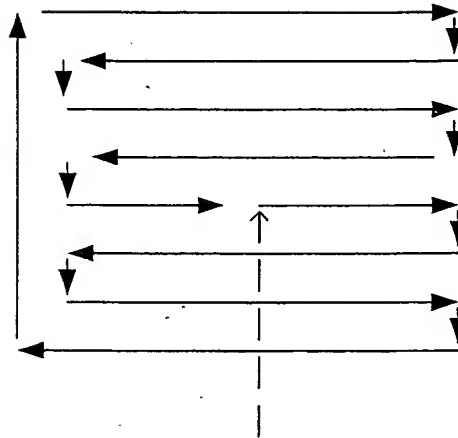


FIGURE 7

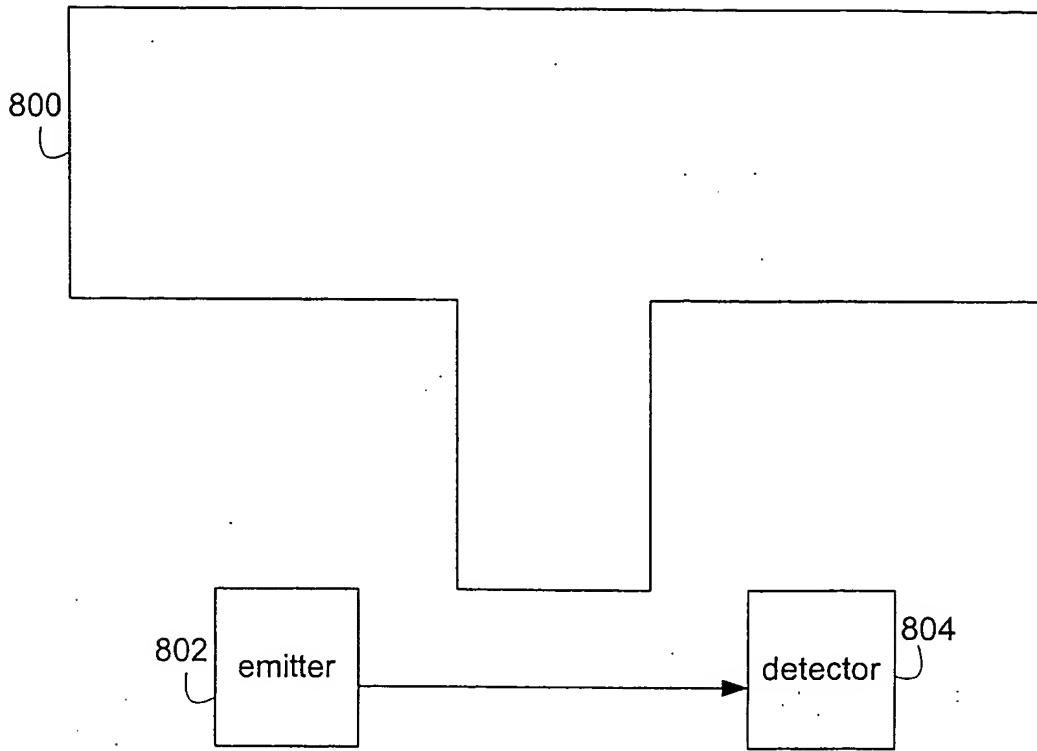


FIGURE 8A

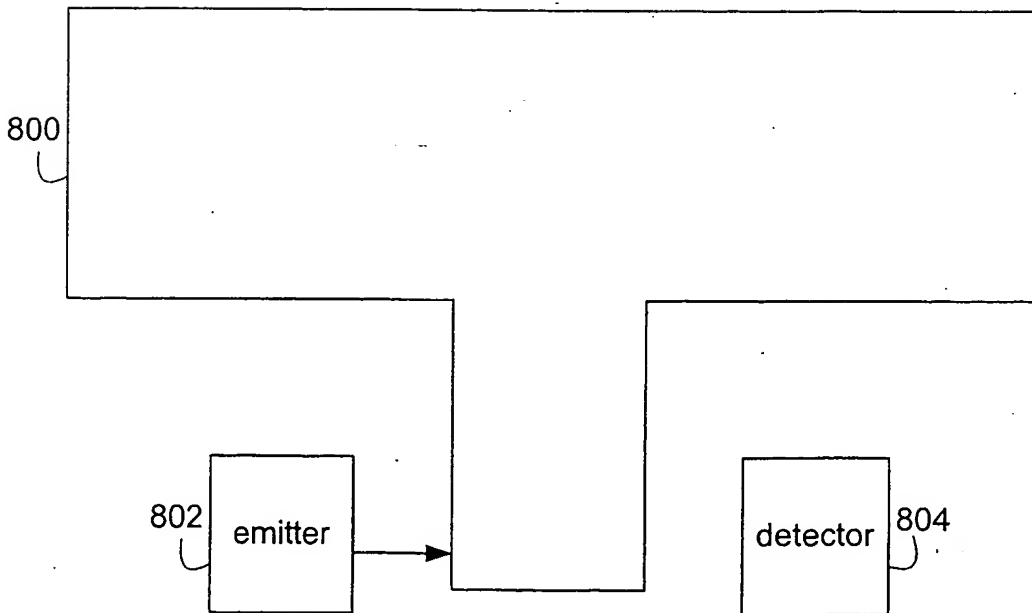


FIGURE 8B

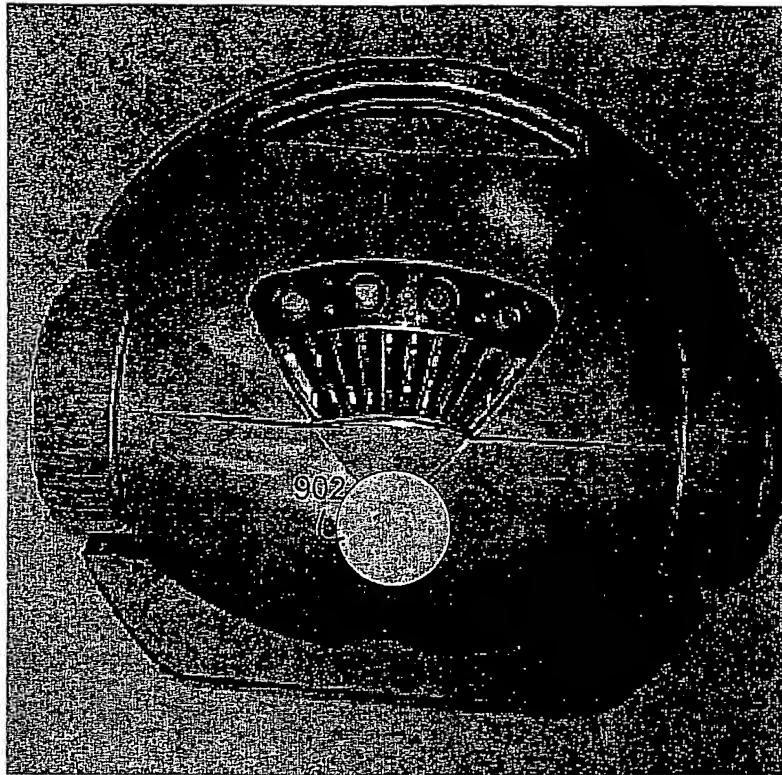


FIGURE 9A

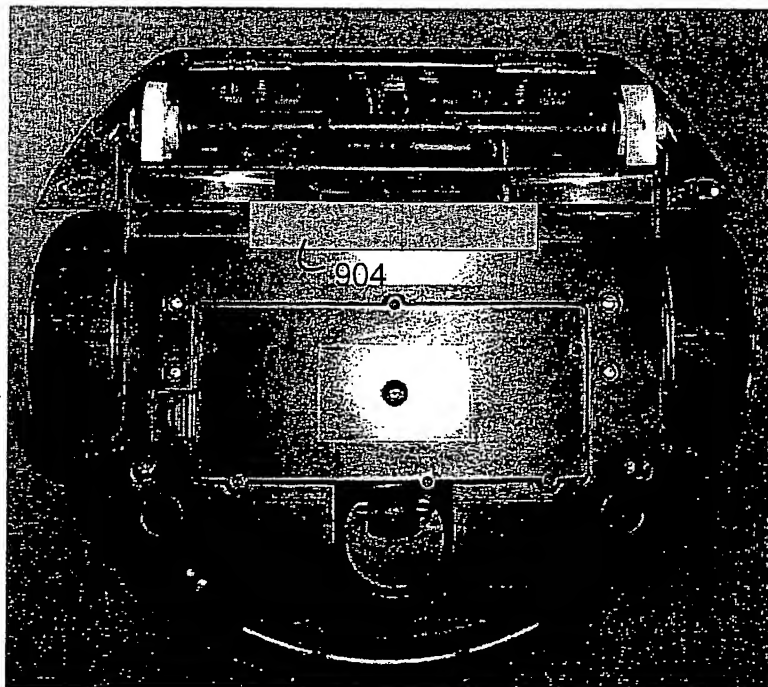


FIGURE 9B

Title: Robot Vacuum with Internal Mapping System

Docket No.: SHPR-01360USM

Appl. No.: To be assigned

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Filed: Herewith

Inventor(s): Parker

Attorney: Joseph P. O'Malley

Phone: (415) 362-3800

Express Mail No: EV 375096120 US

Sheet 1 of 15

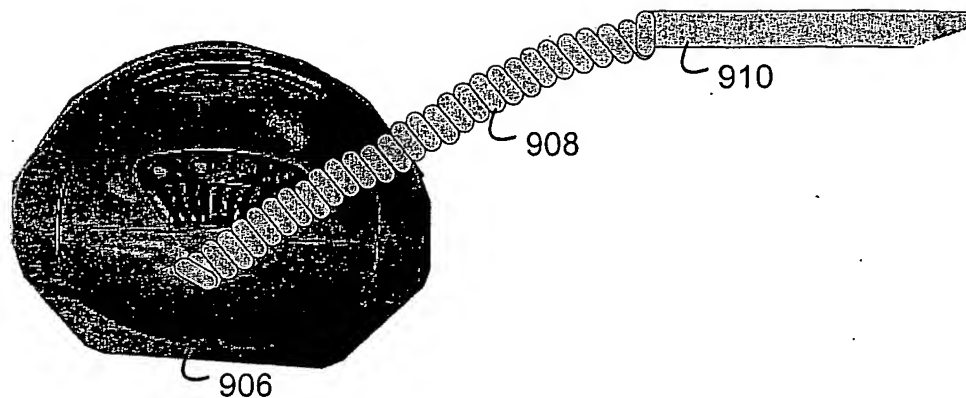


FIGURE 9C

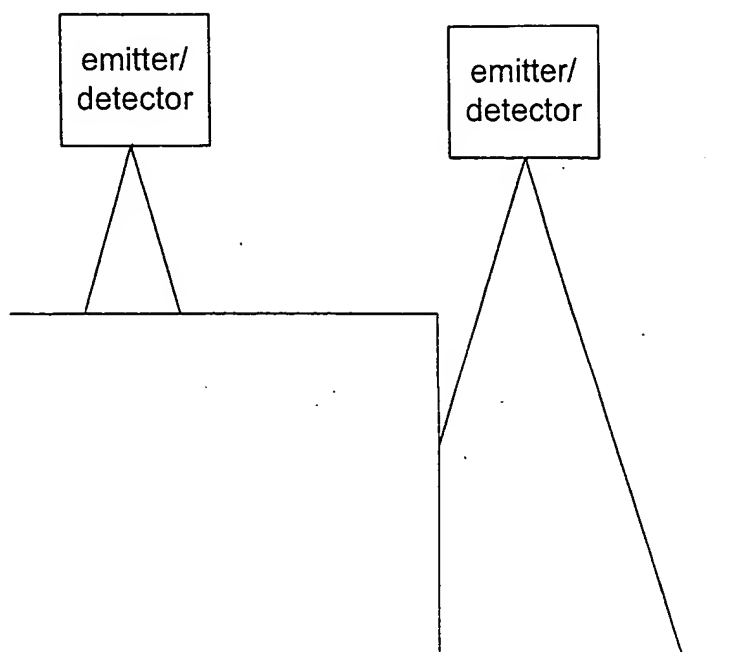


FIGURE 10A

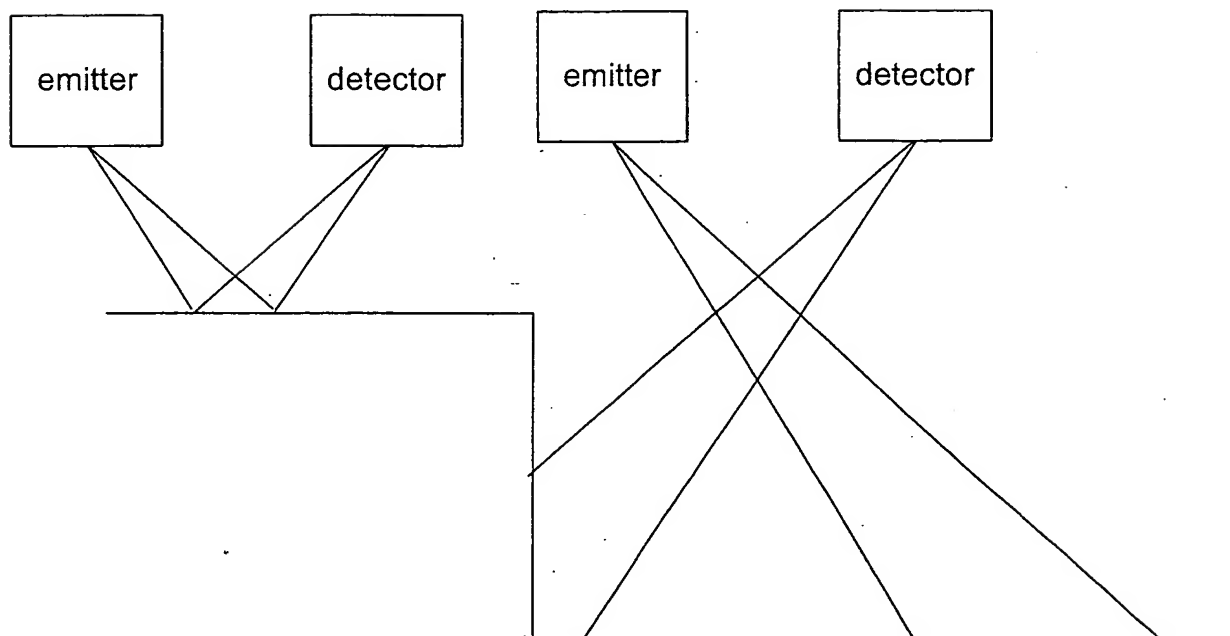


FIGURE 10B

Title: Robot Vacuum
Docket No.: SHPR-01360USSM
Appl. No.: To be assigned
Confirm No.: To be assigned
Filed: Herewith

Inventor(s): Parker
Attorney: Joseph P. O'Malley
Phone: (415) 362-3800
Express Mail No: EV 3750961³⁰ US

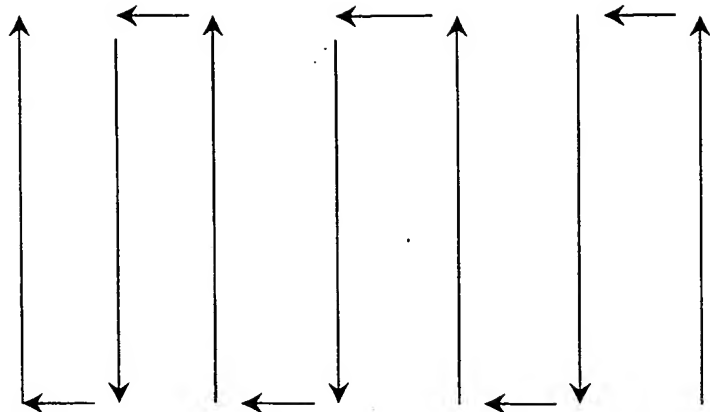


FIGURE 11A

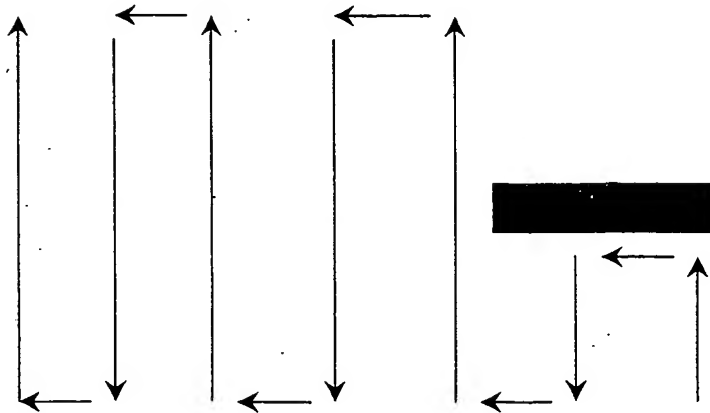


FIGURE 11B

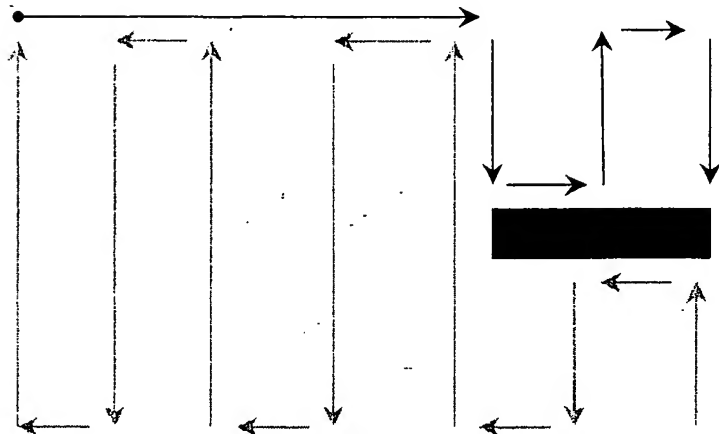


FIGURE 11C

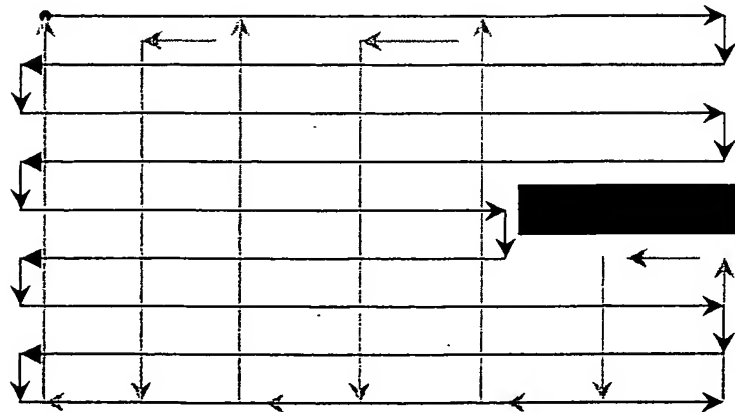


FIGURE 11D

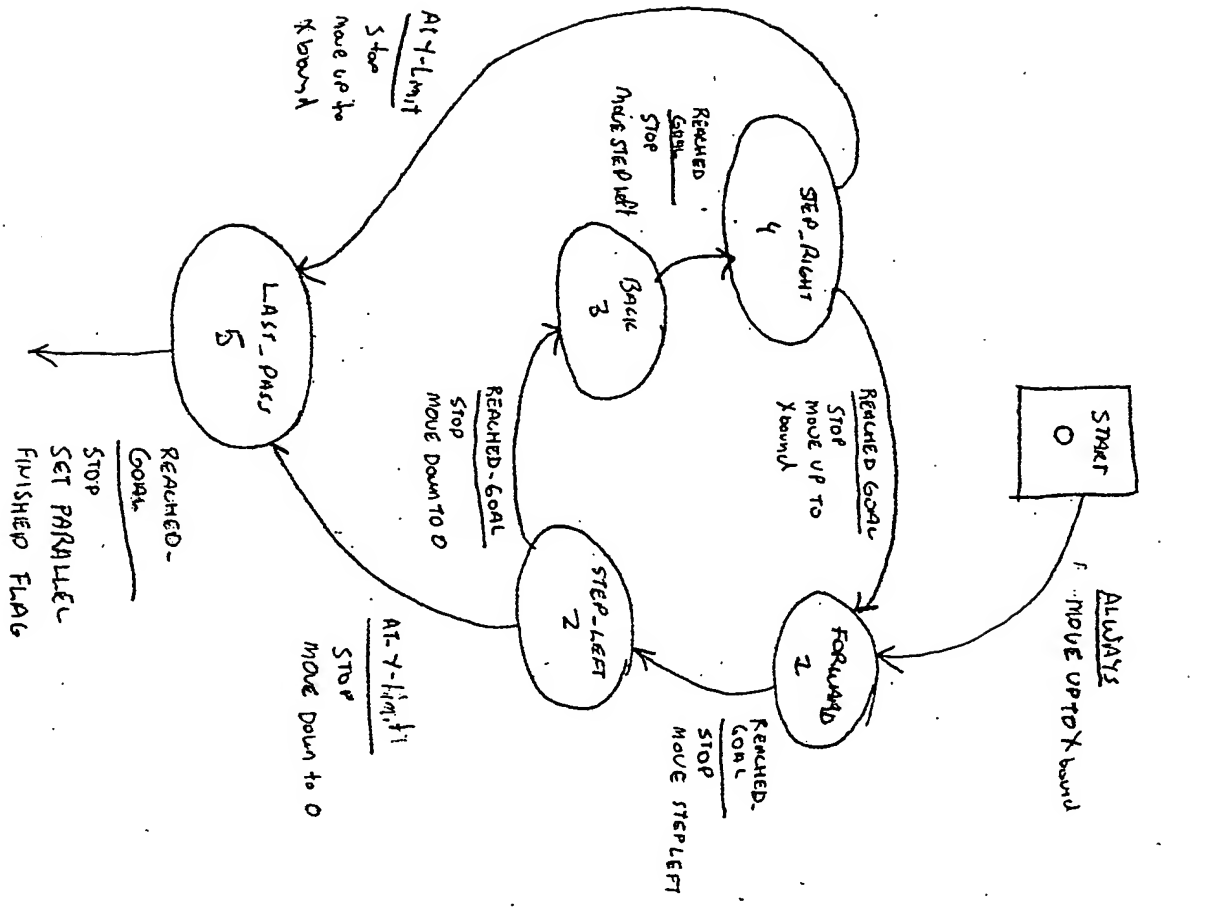


FIGURE 12A

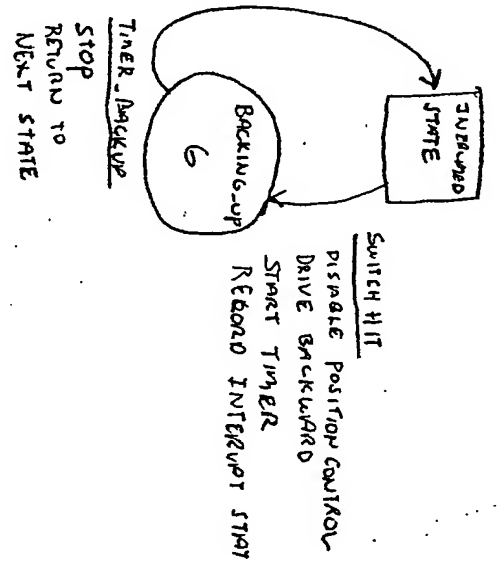


FIGURE 12B

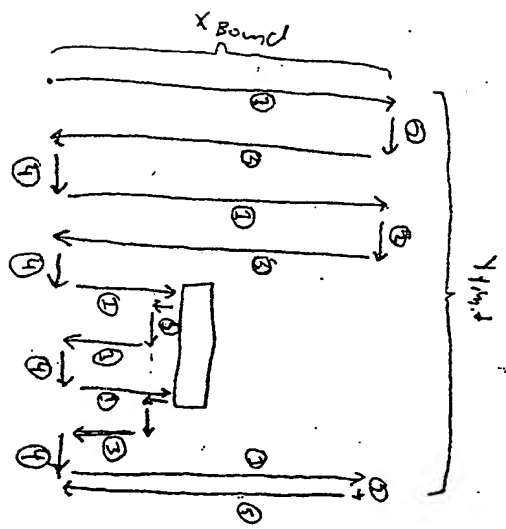


FIGURE 13

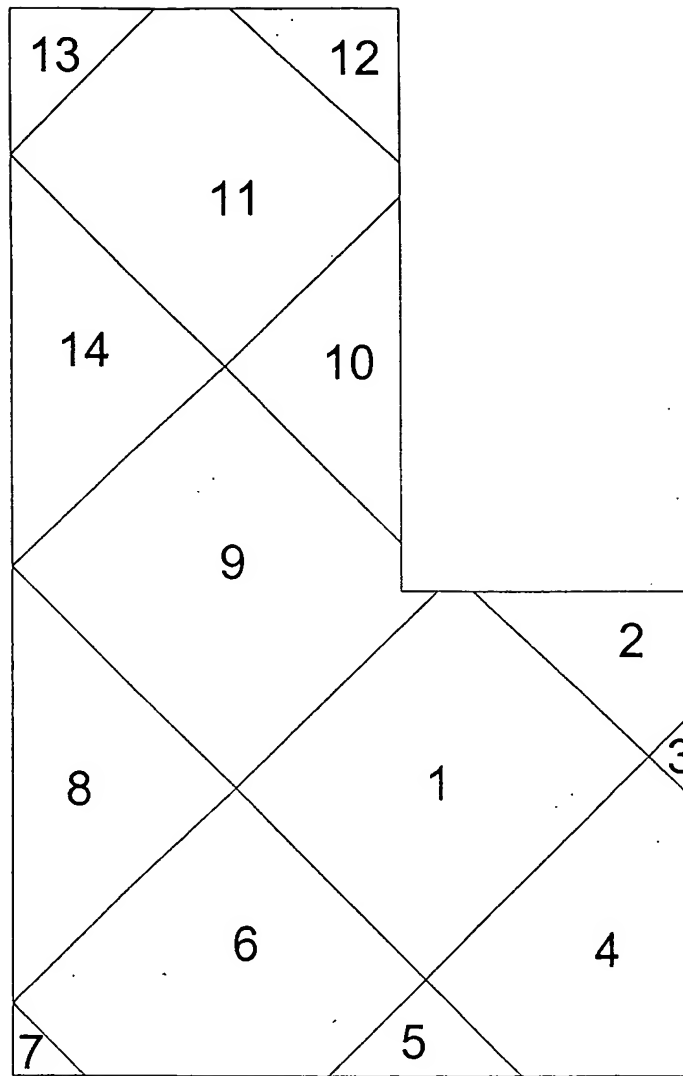


FIGURE 14

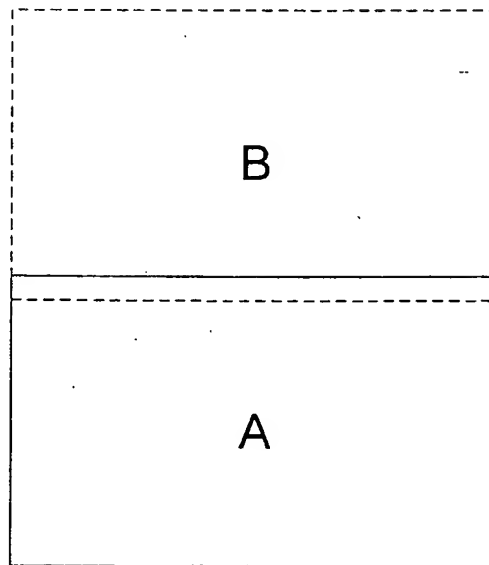
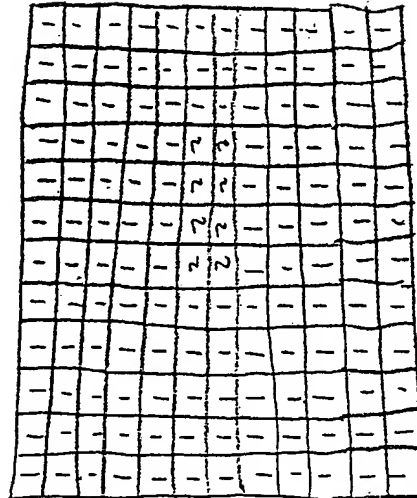


FIGURE 15



SUB GRID
MAP
FIGURE 16A

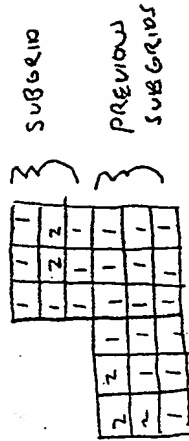


FIGURE 16B